CLAIMS

What is claimed is:

1.   A Java monitoring architecture (JMA), comprising:

one or more monitor servers to monitor resources, collect monitoring data

associated with the resources, and provide the monitoring data to

one or more destinations, wherein the one or more monitor servers

include one or more Java Management Extensions (JMX)-based

monitor servers; and

one or more managed bean servers coupled with the one or more monitor

servers, the one or more managed bean servers having a registry

of associated managed beans to facilitate the one or more monitor

servers to monitor the resources.

2.   The JMA of claim 1, wherein the one or more monitor servers are further

to receive a request for the monitoring of the resources from one or more

destinations, and to monitor the resources in response to the request.

3.   The JMA of claim 1, wherein the resources include Java resources

associated with a Java 2 Platform, Enterprise Edition (J2EE) engine.

4.   The JMA of claim 1, wherein the one or more managed bean servers are

further to couple the one or more monitor servers with the one or more

destinations.

5.   The JMA of claim 4, wherein the one or more destinations include at least

one of the following: a computing center management system (CCMS),

one or more administrative tools, and one or more third party tools.

6. The JMA of claim 5, wherein the one or more administrative tools are coupled with the one or more monitor servers and the one or more managed bean servers via an administrative service interface, the one or more administrative tools include a monitor viewer to display the monitoring data.

7. The JMA of claim 6, wherein the monitor viewer includes at least one of the following: a visual administrator monitor viewer and a Graphical User Interface (GUI)-based monitor viewer.

8. The JMA of claim 5, wherein the one or more monitor servers are coupled with the one or more third party tools via an interface including a Managed Enterprise Java Bean interface, the one or more third party tools include a file system to temporarily store the monitoring data.

9. The JMA of claim 1, further comprises a shared memory coupled with the one or more monitor servers and the CCMS, the shared memory including contents of the monitoring data and the CCMS.

10. A method, comprising:

monitoring resources using one or more monitor servers having one or more Java Management Extensions (JMX)-based monitor servers, the resources include Java resources associated with a Java engine;

collecting monitoring data associated with the resources; and

providing the monitoring data to one or more clients.

11. The method of claim 10, further comprising:

receiving a request to monitor the resources from the one or more clients including one or more destinations;

receiving the monitoring data at the one or more destinations; and

displaying the monitored data using a monitor viewer at the one or more destinations.

12. The method of claim 10, wherein the monitoring data includes at least one of the following about the monitored resources: general information, statistics, predictions, and history.

13. The method of claim 10, wherein the resources include at least one of the following: a kernel, server components, network connections, memory consumption, threads, classloaders, database connections, database transactions, HyperText Transport Protocol (HTTP) cache, Java Messaging Service (JMS) queries and topics, and sessions.

14. The method of claim 13, wherein the server components include at least one of the following: libraries, interfaces, and services.

15. The method of claim 10, wherein the one or more monitor servers are located, locally or remotely, at one or more Java virtual machines.

16. The method of claim 10, wherein the monitoring of the resources is performed using one or more managed bean servers including a registry of associated managed beans, the one or more managed bean servers are coupled with the one or more monitor servers to facilitate the monitoring of the resources.

17.   The method of claim 11, wherein the one or more destinations include at least one of the following: a computing center management system (CCMS), one or more administrative tools, and one or more third party tools.

18.   The method of claim 17, wherein the one or more administrative tools include a monitor viewer including at least one of the following: a visual administrator monitor viewer and a Graphical User Interface (GUI)-based monitor viewer.

19.   A system, comprising:

one or more monitor servers to monitor resources, collect monitoring data associated with the resources, and provide the monitoring data to one or more destinations, wherein the one or more monitor servers include one or more Java Management Extensions (JMX)-based monitor servers;

one or more managed bean servers coupled with the one or more monitor servers, the one or more managed bean servers having a registry of associated managed beans to facilitate the one or more monitor servers to monitor the resources; and

the one or more destinations, coupled with the one or more monitor servers, to receive the monitoring data, and to display the monitoring data using a monitor viewer.

20.   The system of claim 19, wherein the one or more monitor servers to receive a request to monitor the resources from the one or more

destinations, and to monitor the resources in response to the request.

21.   The system of claim 19, wherein the one or more destinations include one or more administrative tools having the monitor viewer, and one or more third party tools having a file system to temporarily store the monitoring data.

22.   The system of claim 19, wherein the one or more destinations further include a computing center management system (CCMS) to originate the request, and to receive the monitoring data via a CCMS agent.

23.   The system of claim 19, wherein the resources include Java resources associated with a Java 2 Platform, Enterprise Edition (J2EE) engine.

24.   The system of claim 19, wherein the resources include at least one of the following: a kernel, server components, network connections, memory consumption, threads, classloaders, database connections, database transactions, Hypertext Transport Protocol (HTTP) cache, Java Messaging Service (JMS) queries and topics, and sessions.

25.   A machine-readable medium having stored thereon data representing sets of instructions which, when executed by a machine, cause the machine to: monitor resources using one or more monitor servers having one or more Java Management Extensions (JMX)-based monitor servers, the resources include Java resources associated with a Java engine; collect monitoring data associated with the resources; and provide the monitoring data to one or more clients.

26.   The machine-readable medium of claim 25, wherein the sets of

instructions which, when executed by the machine, further cause the

machine to:

receive a request to monitor the resources from the one or more clients

including one or more destinations;

receive the monitoring data at the one or more destinations; and

display the monitored data using a monitor viewer at the one or more

destinations.

27. The machine-readable medium of claim 25, wherein the monitoring data

includes at least one of the following about the monitored resources:

general information, statistics, predictions, and history.

28. The machine-readable medium of claim 25, wherein the resources include

at least one of the following: a kernel, server components, network

connections, memory consumption, threads, classloaders, database

connections, database transactions, HyperText Transport Protocol

(HTTP) cache, Java Messaging Service (JMS) queries and topics, and

sessions.

29. The machine-readable medium of claim 28, wherein the server

components include at least one of the following: libraries, interfaces, and

services.

30. The machine-readable medium of claim 25, wherein the one or more

monitor servers are located, locally or remotely, at one or more Java

virtual machines.

31. The machine-readable medium of claim 25, wherein the monitoring of the

resources is performed using one or more managed bean servers including a registry of associated managed beans, the one or more managed bean servers are coupled with the one or more monitor servers to facilitate the monitoring of the resources.

32. The machine-readable medium of claim 26, wherein the one or more destinations include at least one of the following: a computing center management system (CCMS), one or more administrative tools, and one or more third party tools.

33. The machine-readable medium of claim 32, wherein the one or more administrative tools include a monitor viewer including at least one of the following: a visual administrator monitor viewer and a Graphical User Interface (GUI)-based monitor viewer.